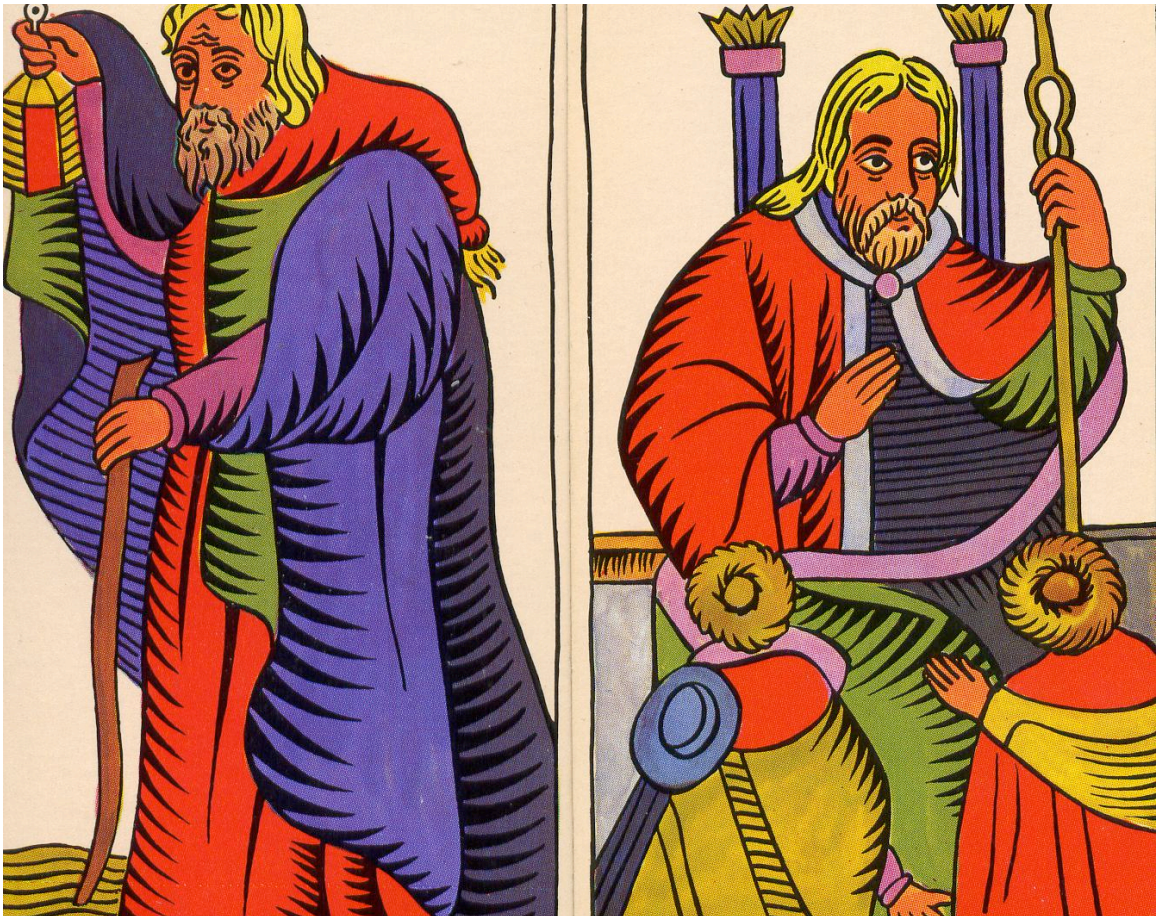
COSMIC MYSTERY



nine fifths permeates nature

By Ian Beardsley

The most extraordinary of my findings in my opinion is the occurrence of the proportion of 9 to 5 in nature. I have found that:

1. If we compare the mass of air to the mass of water and increase that by a factor of the human body temperature to the freezing temperature of water, we get a value that is 9 compared to 5,

which is 1.8.

2. If we compare the mass of an atom of gold to an atom of silver, it is 9 compared to 5 (comparing their molar masses).

3. If we compare the radius of the sun, that is the distance from its center to its surface, to the distance from the center of the earth to the center of the moon, it is 9 compared to five.

9 compared to 5 is nine fifths (9/5) which is equal to 1.8

I have now glanced at my data tables and find that if we take the distance of the planet Saturn to the sun as 9, then the distance to the planet Jupiter from the sun is five. In fact this way of measuring distances puts the earth exactly at 1 unit from the sun. This is interesting, because Jupiter and Saturn, aside from being the "middle children" of the solar system, planets 5 and 6 of a planetary family of 9 or 10 depending on whether or not you consider the asteroid belt a planet that did not form, and anything found beyond Pluto a planetoid, these planets carry the majority of mass of the solar system, significantly, and thus embody most of the dynamics of its formation.

It is further intriguing that air, which I define as the molar weight of the percent of diatomic nitrogen molecules plus the percent of diatomic oxygen molecules at ground level, (nitrogen and oxygen atoms naturally occur as paired atoms) the value is the same considering the percent mass of nitrogen and oxygen in the entire atmosphere because they are the same exact percentages as the percent of diatomic particles at ground level. That is the atmosphere is 21% oxygen and 78% nitrogen by mass and the diatomic oxygen (O2) by number of particles at ground level is 78.7% and (N2) is 21.3% as reported in 1982 in the Handbook of Space Astronomy and Astrophysics by Martin V. Zombeck, Cambridge University Press. These levels of nitrogen and oxygen correspond to levels that are a result of nature's natural regulation process, before we interrupted the cycles of substance regeneration by burning fossil fuels in a way that saturates nature's ability to handle the by-products. It would be further interesting, and important to note that the earth naturally is trying to attain a quarter oxygen, three quarters nitrogen exactly in percent of diatomic particles at ground level.

Why is all of this significant? The idea that 9/5 is embodied at the micro level, that is in the masses of atoms of gold and silver, which is related to stellar evolution, the elements were made, forged by the stars, under their gravity, in that furnace whose dynamics are ultimately connected to geometry that was born in the explosion that gave birth to the universe, and is connected to the human body temperature, something regulated by biological processes that took place over billions of years of evolution, and the freezing temperature of water, so crucial to life, and the mass of water and air the chief sustenances of life. While the same ratio is embodied at the macro level, the proportions of the solar radius and lunar orbital distance which was born by the universe's angular momentum, which is about as complicated as the patterns formed by bubbles in a bath tub swirled by the running water.

All of these factors that form these proportions, so disparately distant in their origins, and so much at the crux of man's awareness down through the ages in poetry, and mysticism, turn out to be related at the most cosmic of levels in a precise empirical way that could only be known today with our telescopes and chemical laboratories, they point to a cosmos that is trying to tell us something significant is happening and that we are a part of something deeply mysterious.

It is worth noting that the natural satellite of Jupiter, Callisto, is 9/5 the density of water.

It is also worth noting that 9/5 is a seventh chord, or transition ratio.

9 triangles tile to make another triangle with side lengths three times greater (it is a tetractys). 5 points make a trapezoid with three triangles. Thus, 9/5 is an expression of 3 and the earth is the third planet. I have already shown how Jupiter and Saturn, the two most massive planets in the solar system, are in a ratio of 9 to 5 that puts the earth at one unit from the sun. (Aside from showing 9/5 to occur in nature a myriad of ways fundamental to life on earth, in the most revered things, air, water, silver, gold, sun, moon and that thing which is the human common denominator, their normal body temperature). Also, the nine triangles tiled to make a tetractys, divided by the three triangles of five connected points -- the trapezoid -- is three as well. It is worth mentioning that the average of 9 and 5 is 7. We are talking about the odd numbered rhythms common to Arabic (9), flamenco (5), and Indian music (7).

calculation of air:
Air=2[(16.00)(0.21)+(14.01)(0.78)]=28.5756

using molar masses of oxygen and nitrogen, and their percent concentration by mass or percentages of diatomic particles at ground level (the two are the same).

I further find it interesting that Jupiter, the largest planet in the solar system is the fifth planet out of a total of nine planets, another emphasis on 9/5 in the most basic of ways, in nature.

(m_a/m_w)(human body temp/freezing of water)

=(Au/Ag)

=SR/EM

=1.8

In words: the mass of air by the mass of water times the human body
temperature by the freezing of water is the same as gold over silver is
the same as the solar radius over the earth-moon distance.

DATA

{(28.5756)/(18.016)}{(310)/(273)}=(197.0/107.9)=1.8

and

EM/SR=3.84E10cm/6.9599E10cm=0.55

They have recently discovered some new planets beyond Pluto, I have been asked if this changes the numbers or if new astronomical discoveries will be considered.

My answer is that in the time of Yohannes Kepler, the astronomer who discovered the planetary laws of motion, there were only known to be five planets. Since there are five regular solids, that are shapes whose faces are the same equilateral polygon, like square or equal sided triangle, he tried to embed the orbits of the five known planets in these shapes. That is, if the first orbit was in a pyramid, the second orbit was in a cube surrounding it, and so on for the five shapes and five planets. The method didn't work. When we entered the space age, when man first went to the moon, or orbited the earth, we knew of up to nine planets. As nine fifths is a seventh chord or transition ratio, I think it characterizes

the solar system that was known to man at the beginning of the space age. Also, the first eight planets, if we consider the asteroid belt to be a planet that did not form, fit a geometric rule, called the titius-bode rule for their distribution around the sun. Back to Kepler, his cosmic mystery of the planets fitting in the shapes nestled one in the other did not work, but today a guy named Martineau has done a variation that works, and it has been graphically depicted by sacred geometer Bruce Rawles. The thing is, that the solar system is actually a changing thing, with most of its mass in the planets that fit these rules as we know it today. The solar system is changing slowly, as the sun loses mass from burning its fuel, the planetary orbits will change. But these changes take place noticeably only over geologic time. The way I see it, as the solar system formed from a swirling disc of gas around the sun, the planets emerged and the structure of the solar system tended towards a harmony that we are now experiencing, and that will degenerate long after man has left this solar system to colonize newer planets around younger stars that will have more resources. This changing solar system, I think, is mirroring humankind's progress, but approximately, just as a circle unclosed is still a circle to the human eye by the artistic concept of closure. Pi is a number that has an infinite number of digits: 3.141... We can round it to three or three point one, so we can put it in our calculator, and that will get us to the moon. This
9/5, has some similar approximations, but they are so neglible when we find it in something as small as an atom of silver, or as large as the distance from Jupiter to the sun. But to answer the question, since Pluto is so small, they are thinking of calling it a planetoid now, and anything new beyond it may not fit into the sacred geometry of Martineau. It may be that their are eight planets then, the eight that work by the titius-bode rule, but by another definition, we can say there are 10 now, the
new one they speak of if they don't want to call it a planetoid. It all depends then, on how we categorize things, but the different categories give rise to different patterns, and from the patterns we can discern answers. However, most of this nine-fifths stuff does not depend on the new planet discovery, but, yes I definitely will look at it.

Card nine of the tarot deck is the hermit, and card five of the tarot is the high priest. This associates gold with the hermit and silver with the high priest, the sun with the hermit, the moon with the high priest, and the list goes on where these numbers occur in nature with regards to one another.

Everybody when I tell them there is a cosmic mystery in the ratio 9 to 5 is to jokingly talk about the human work schedule and Dolly Parton. But you know, there might be something to that, the 24 hour day determines the amount of sunlight we have in a day, which of course varies a little from season to season, you know, long winter nights, short summer nights, which has to do with the earth's inclination to its orbit, but the more or less 12 hours of sunlight determines the 9-5 work schedule adopted over time, and that is determined by the earth's circumference and rotational velocity, which in turn was ultimately imparted to it by the big explosion that gave rise to the universe. So, there may be some significance in it. It would seem 8 hours is about how much a man can work before he starts to feel fatigued, and that, in turn, is determined by the amount of energy we can derive from sugars, carbohydrates, and proteins, all of which are composed of elements such as nitrogen, carbon, oxygen and hydrogen, the former three which were made by stars in a reaction dependent on the nature of gravity, and that on the geometry of spacetime created in the big bang. The hydrogen was created as the element from which all the others were derived, in so

many seconds, maybe, after
the big bang.